CLAIMS

1/ A gas-insulated multi-phase line made up of sections, each of which is formed by metal cladding filled with a dielectric gas under pressure and containing at least three phase conductors disposed in a triangle configuration, wherein two adjacent sections are connected together via a connection module whose metal cladding is locally made up of a plurality of tubular portions, each of which is filled with dielectric gas and has a single phase conductor passing through it, constituting a passive electrical connection.

2/ The gas-insulated line of claim 1, in which the connection module is open at both ends so that the volumes of said sections communicate with each other.

3/ The gas-insulated line of claim 1, in which the connection module is closed in gastight manner by one or more insulators at either or both of its ends so as to isolate two adjacent sections from each other, or so as to isolate said module from said sections.

4/ A connection module for a gas-insulated electricity line of claim 1, which connection module has metal cladding made up of a first dish-shaped end cap and of a second dish-shaped end cap, which caps are provided with orifices of aperture determined to enable phase conductors to pass through them with a sufficient isolation distance between each conductor and the cladding, and in which connection module each of the tubular portions of said cladding of the module is formed of a link tube surrounding an orifice in the first end cap and an orifice in the second end cap, through which orifices the same phase conductor passes.

5/ The connection module of claim 4, and in which one end cap is extended by said link tubes thereby forming an integrally-molded single piece therewith.

6/ The connection module of claim 4, and in which the tubular portions are mutually parallel.

7/ The connection module of claim 6 in which three tubular portions are disposed in an equilateral triangle configuration.

8/ The connection module of claim 4, in which each of the tubular portions is surrounded by a determined volume of air.

9/ The connection module of claim 4, in which windings forming the secondary of a current transformer are disposed in air around respective ones of said tubular portions.

10/ The connection module of claim 4, in which sensors are disposed in air around or in the vicinity of respective ones of said tubular portions.

11/ A method of assembling a connection module of claim 9, in which method each winding is firstly put in place around a tubular portion before the two end caps are assembled together via said tubular portions for forming the metal cladding of said module.